

# Notice of Allowability

Application No.

09/102,149

Examiner

Christopher Onuaku

Applicant(s)

OKADA, YOSHIYUKI

Art Unit

2616

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/9/05.
2. ☒ The allowed claim(s) is/are 1,3,10-12,14&22-25 (now renumbered 1-10, respectively).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 11/1/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## **DETAILED ACTION**

### ***Allowable Subject Matter***

1. Claims 1,3,10,11,12,14,22-25 are allowable over the prior art of record.
2. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 1, the invention relates to a broadcast video image recording apparatus for recording television video image data to be broadcast in a recording unit, including providing a broadcast video image recording apparatus capable of recording video images broadcast before the user indicates video images for recording.

The closest references Kazo (US 6,301,427) discloses a recording/reproducing apparatus for recording picture signals on a recording medium, and reproducing the recorded picture signals, and Tanaka (US 4,982,390) teaches a signal recording apparatus which, when instructed to start a signal recording, is capable of recording the necessary signal.

However, Kazo and Tanaka fail to explicitly disclose a broadcast video image moving picture recording apparatus to record broadcast video moving picture image data, where the apparatus further comprises wherein the control unit stores the write address and the write time of the first digital data storage unit into the storage table whenever a predetermined amount of the received broadcast video moving picture image data is stored in the first digital data storage unit, searches a write address of the

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indicated video moving picture image data from the storage table according to the indicated time of the indicating means as indicated by the user, reads the indicated video moving picture image data according to the searched write address, and stores the read and indicated video moving picture image data having the predetermined amount in the second digital data storage unit.

Regarding claim 12, the invention relates to a broadcast video image recording apparatus for recording television video image data to be broadcast in a recording unit, including providing a broadcast video image recording apparatus capable of recording video images broadcast before the user indicates video images for recording.

The closest references Kazo (US 6,301,427) discloses a recording/reproducing apparatus for recording picture signals on a recording medium, and reproducing the recorded picture signals, and Tanaka (US 4,982,390) teaches a signal recording apparatus which, when instructed to start a signal recording, is capable of recording the necessary signal.

However, Kazo and Tanaka fail to explicitly disclose a broadcast video moving picture image recording apparatus to record broadcast video moving picture image data, where the apparatus further comprises wherein the control unit stores the write address and the write time of the first random-access digital data storage unit into the storage table whenever a predetermined amount of the received broadcast video moving picture image data is stored in the first random-access digital data storage unit, searches a write address of the indicated video moving picture image data from the

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storage table according to the indicated time of the designation unit as indicated by the user, reads the indicated video moving picture image data according to the searched write address, and stores the read and indicated video moving picture image data having the predetermined amount in the second digital data storage unit.

Regarding claim 22, the invention relates to a broadcast video image recording apparatus for recording television video image data to be broadcast in a recording unit, including providing a broadcast video image recording apparatus capable of recording video images broadcast before the user indicates video images for recording.

The closest references Kazo (US 6,301,427) discloses a recording/reproducing apparatus for recording picture signals on a recording medium, and reproducing the recorded picture signals, and Tanaka (US 4,982,390) teaches a signal recording apparatus which, when instructed to start a signal recording, is capable of recording the necessary signal.

However, Kazo and Tanaka fail to explicitly disclose a broadcast video moving picture image recording apparatus, where the apparatus further comprises wherein the control unit stores the write address and the write time of the first digital data storage unit into the storage table whenever a predetermined amount of the received broadcast video moving picture image data is stored in the first digital data storage unit, searches a write address of the indicated video moving picture image data from the storage table according to an indicated video moving picture image data of the indicating means as indicated by the user, reads the indicated video moving picture image data according to

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the searched write address, and stores the read and the indicated video moving picture image data having the predetermined amount in the second digital data storage unit by using the second storage table to write the read and indicated video moving picture image data in the second digital data storage unit immediately when storing the indicated video moving picture image data into the first digital data storage unit.

Regarding claim 23, the invention relates to a broadcast video image recording apparatus for recording television video image data to be broadcast in a recording unit, including providing a broadcast video image recording apparatus capable of recording video images broadcast before the user indicates video images for recording.

The closest references Kazo (US 6,301,427) discloses a recording/reproducing apparatus for recording picture signals on a recording medium, and reproducing the recorded picture signals, and Tanaka (US 4,982,390) teaches a signal recording apparatus which, when instructed to start a signal recording, is capable of recording the necessary signal.

However, Kazo and Tanaka fail to explicitly disclose a broadcast video moving picture image recording apparatus, where the apparatus further comprises a control unit controlling the first digital data storage unit so as to store the received broadcast video moving picture image, and for searching and reading the indicated video moving picture image data which has been stored in the first digital data storage unit, and storing the indicated video moving picture image data in the second digital data storage unit according to the indication of the indicating means, wherein the control unit reads the

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indicated video moving picture image data from the first digital data storage unit and writes the read and indicated video moving picture image data in the second digital data storage unit whenever a predetermined amount of the received broadcast video moving picture image data is stored in the first digital data storage unit according to the indication by the user of the indicating means while storing the indicated video moving picture image into the first digital data storage unit.

Regarding claim 24, the invention relates to a broadcast video image recording apparatus for recording television video image data to be broadcast in a recording unit, including providing a broadcast video image recording apparatus capable of recording video images broadcast before the user indicates video images for recording.

The closest references Kazo (US 6,301,427) discloses a recording/reproducing apparatus for recording picture signals on a recording medium, and reproducing the recorded picture signals, and Tanaka (US 4,982,390) teaches a signal recording apparatus which, when instructed to start a signal recording, is capable of recording the necessary signal.

However, Kazo and Tanaka fail to explicitly disclose a broadcast video moving picture image recording apparatus, where the apparatus further comprises a control unit controlling the first digital data storage unit so as to store the received broadcast video moving picture image, and for searching and reading the indicated video moving picture image data which has been stored in the first digital data storage unit, and storing the indicated video moving picture image data in the second digital data storage unit

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according to the indication of the indicating means, wherein the control unit simultaneously reads the indicated video moving picture image data of one title which has been stored in the first digital data storage unit among the indicated all video moving picture image data and writes the read video moving picture image data of the one title in the second digital data storage unit.

Regarding claim 25, the invention relates to a broadcast video image recording apparatus for recording television video image data to be broadcast in a recording unit, including providing a broadcast video image recording apparatus capable of recording video images broadcast before the user indicates video images for recording.

The closest references Kazo (US 6,301,427) discloses a recording/reproducing apparatus for recording picture signals on a recording medium, and reproducing the recorded picture signals, and Tanaka (US 4,982,390) teaches a signal recording apparatus which, when instructed to start a signal recording, is capable of recording the necessary signal.

However, Kazo and Tanaka fail to explicitly disclose a broadcast video moving picture image recording apparatus to record broadcast video moving picture image data, where the apparatus further comprises a control unit controlling searching the indicated video moving picture image data which has been stored in the first digital data storage unit, and storing the indicated video moving picture image data in the second digital data storage unit according to the indication of the indicating means, and a storage table to store recording addresses and times of the broadcast video moving

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picture image data in the first digital data storage unit, wherein the indicating means is operable to specify a start time for desired video moving picture image data into the first digital data storage unit, and the control unit obtains the recording address of the desired video moving picture image data by looking up in the storage table the start time indicated by the indicating means.

### **Conclusion**

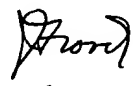
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Onuaku whose telephone number is 571-272-7379. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Groody can be reached on 571-272-7950. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
COO

3/24/06.

  
**James J. Groody**  
**Supervisory Patent Examiner**  
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